CLAIM AMENDMENTS

1 - 15. (canceled)

- 16. (new) A roller assembly for advancing and cooling a flexible web, the assembly comprising:
 - a support;
 - a roller rotatable on the support about an axis and
 - having

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- a generally cylindrical jacket centered on the axis and formed with an array of radially throughgoing holes and an array of axially extending passages between the holes, and axially spaced flanges at respective ends of the jacket, one of the end flanges being formed with at least one bridge passage into the cooling passages open, the other end flange being formed with input and output feed passages connected to the feed passages;
- suction means for drawing air from out of an interior inside and between the flanges of the jacket and thereby sucking air in through the holes, whereby the air being sucked in through the holes adheres the web to the jacket;

- cooling means for feeding a coolant to the input passage and withdrawing it from the output passage of the other end flange and thereby circulating the coolant in two axially opposite directions through the cooling passages.
- 17. (new) The roller assembly defined in claim 16
 wherein the bridge passage is an annularly continuous passage into
 which all of the cooling passages open at the respective end of the
 jacket.
- 18. (new) The roller assembly defined in claim 18 wherein the jacket is generally cylindrical.
- 19. (new) The roller assembly defined in claim 16
 wherein the jacket has a thermal conductivity of at least 100 W/(m
 K).
- 20. (new) The roller assembly defined in claim 16 wherein the jacket is of aluminum.
- 21. (new) The roller assembly defined in claim 16
 wherein the cooling passages are spaced angularly by between 10 mm
 and 100 mm and the cooling passages are between 8 mm and 30 mm in
 diameter.

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1	•	22.	(new) The	rolle	assembly	y defined	l in	claim 16		
2.	wherein	the ja	acket	has an	outer	diameter	between	200	mm	and	1200
3	mm.		•				. *			•	
•		•				•					

- 23. (new) The roller assembly defined in claim 16 wherein there are between 1 and 100 holes per 100 cm² of outer surface area of the jacket.
- 24. (new) The roller assembly defined in claim 16
 wherein the roller surface is formed with shallow grooves into
 which the holes open.
 - 25. (new) The roller assembly defined in claim 16 wherein the roller further has
 - a tube coaxially inside the jacket and fixed in the support,
 - axially extending and angularly spaced partitions extending radially from the tube to an inner surface of the jacket, and
 - axially spaced partitions extending generally perpendicular to the axis from the tube between the axially extending partitions and defining therewith inside the jacket a compartment in which an angularly and

and

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axially limited region of the inner jacket

surface is exposed,

the suction means opening only through the tube into the

compartment, whereby air is only drawn through the holes over the

18 limited region of the jacket.

tube and on the support.

- 26. (new) The roller assembly defined in claim 25, further comprising
- a bearing supporting one of the end plates on the tube;
- bearings supporting the other of the end plates on the
- 27. (new) The roller assembly defined in claim 26, further comprising
- drive means including a drive wheel connected to one of the end plates for rotating the roller about the axis.
- 28. (new) The roller assembly defined in claim 25
 wherein at least one of the axially spaced partitions is axially
 shiftable.